



Cat. No. 42-5072 |
OWNER'S MANUAL

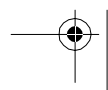
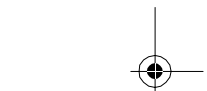
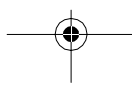
Please read before using this equipment.

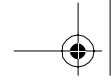
CD-8250

5-Disc Compact Disc Changer



OPTIMUS®





FEATURES



I Your Optimus CD-8250 5-Disc Compact Disc Changer holds up to five CDs. Its automatic disc loading system lets you select more music for continuous play and gives you musical variety without having to continually remove and load discs.

I The CD-8250's advanced design makes this CD changer simple to operate. It has these great features:

I Eight-Times Oversampling with Digital Filtering — improves the sound of CDs by multiplying the standard 44.1 kHz sampling rate by eight and using a digital filter to reduce or eliminate high-frequency distortion.

1-Bit DAC — uses the latest in digital-to-analog conversion circuitry to accurately reproduce all sound levels with virtually no distortion.

Sequence Programming — lets you program up to 32 selections to play in any order you choose.

Audible Search — helps you locate a section of music by playing the CD rapidly in either direction.

Automatic Search Music System (ASMS) — lets you quickly move to any track on a CD.

Intro Scan — helps you locate a desired track by playing the first 10 seconds of each track on the current CD. You can also change the length of the intro play time.

Remote Control — lets you control the CD changer from a distance.

Repeat Play — lets you automatically repeat a single track, multiple CDs, or a series of programmed tracks.

Shuffle Play — randomly selects tracks on loaded CDs and plays them.

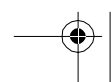
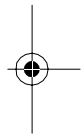
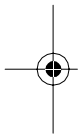
Tri-Spot Pickup Servo System — helps ensure perfect tracking of your CDs.

5- or 3-Inch CD Compatible æ lets you play 5- or 3-inch CDs.

Note: The remote control requires two AA batteries.

We recommend you record the CD changer's serial number here. The number is on the back panel.

Serial Number: _____





Important: Most material on compact discs is copyrighted. Unauthorized duplication of copyrighted material is a violation of the copyright laws of most countries and such duplication may result in fines and/or imprisonment. Note, however, that in the United States, it is not a violation of U.S. copyright laws for a consumer to use an audio recording device to duplicate musical recordings for noncommercial (personal) use.

CDs that you can play on this changer have this mark on them:

Warning: To prevent fire or shock hazard, do not expose this product to rain or moisture.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



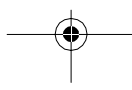
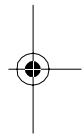
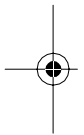
This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

Warnings:

- This unit employs a laser. Because of possible eye injury, only a qualified service person should remove the cover or attempt to service this device.
- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.





IMPORTANT SAFETY INSTRUCTIONS

Careful attention is devoted to quality standards in the manufacture of your CD changer, and safety is a major factor in its design. However, safety is also your responsibility.

This section lists important information that will help you properly use and enjoy your CD changer and accessories. Read all the included safety and operating instructions before using your CD changer. Follow them closely, and retain them for future reference.

Heed Warnings — Follow all warnings on the product and in the operating instructions.

Cleaning — Unplug this product from the wall outlet before cleaning. Use only a damp cloth for cleaning. Do not use liquid or aerosol cleaners.

Attachments — Do not use attachments/accessories not recommended by the product manufacturer, as they might create a hazard.

Water and Moisture — Do not use this product near water (for example, near a bathtub, washbowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool).

Accessories — Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recom-

mended by the manufacturer or sold with the product. Follow the manufacturer's instructions for mounting, and use a recommended mounting accessory.



Carts — Move the product on a cart carefully. Quick stops, excessive force, and uneven surfaces may cause the product/cart to overturn.

Ventilation — Slots and openings in the cabinet provide ventilation, ensure reliable operation, and protect from overheating. Do not block or cover these openings, and do not place the product on a bed, sofa, rug, or other similar surface. Do not place the product in a built-in bookcase or rack unless it provides proper ventilation as specified by the manufacturer.

Power Sources — Operate this product using only the power source indicated on its marking label. If you are not sure of your home's power type, consult your product dealer or local power company.

Polarization — This product is equipped with a polarized AC line plug (a plug having one blade wider than the other). This plug will fit in the power outlet only one way. This is a safety feature. If you cannot insert the plug fully into the outlet, try reversing the plug. If the plug still doesn't fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug. If you need an extension, use a polarized cord.

Power-Cord Protection — Route power-supply cords so they are not likely to be walked on or pinched by items placed on or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

Nonuse Periods — Unplug the CD changer's power cord when you will not use it for extended periods.

Lightning — For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

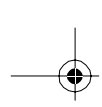
Overloading — Do not overload wall outlets, extension cords, or integral convenience receptacles, as this can result in a risk of fire or electric shock.

Objects and Liquids — Never push objects of any kind into this product through openings, as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

Servicing — Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Damage Requiring Service — Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
- If the product has been dropped or damaged in any way.



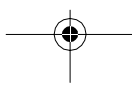
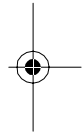
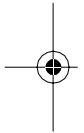
- When the product exhibits a distinct change in performance.

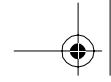
Replacement Parts — When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

Safety Check — Upon completion of service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

Wall or Ceiling Mount — The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

Heat — The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

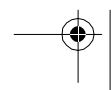
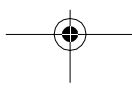
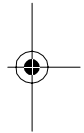
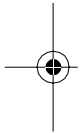




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PREPARATION

CONNECTING THE CD CHANGER

Follow these steps to connect the CD changer to your audio system and to power.

1. Select a location for your CD changer that is near your receiver/amplifier and a standard AC outlet.

Caution: Do not place the CD changer on top of the receiver/amplifier or any other component that gets hot.

Note: If you place the CD changer near other audio components or their wires, you might hear a hum when you play a CD. To eliminate the hum, move the components or their wires.

2. Plug one end of the supplied audio cable into the CD changer's **LINE OUT L** (left) and **R** (right) output jacks, matching the red plug to the red **R** jack and the white plug to the white **L** jack.
3. Plug the other end of the cable into the receiver/amplifier's left and right CD, AUX, or TAPE input jacks.

Caution: Do not use the receiver/amplifier's PHONO inputs. Doing so could damage the receiver/amplifier.

4. Plug the CD changer's power cord into a standard AC outlet.

USING THE REMOTE CONTROL

Installing Batteries

Your CD changer's remote control requires two AA batteries (not supplied) for power. We recommend alkaline batteries, such as RadioShack Cat. No. 23-552, for the best performance and longest life.

Cautions:

- Always use fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

1. Pull the latch on the battery compartment cover and lift it off.

illustration



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2. Install the batteries in the compartment as indicated by the polarity symbols (+ and -) marked inside.

illustration

Using the Remote

You can use the remote control for any of the CD changer's functions except turning power on/off and opening/closing the CD compartment.

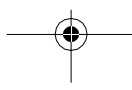
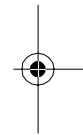
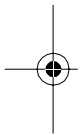
For the best results, point the remote control toward REMOTE SENSOR on the front of the CD changer.

3. Replace the cover.

You can use the remote control up to a distance of about 20 feet. If the remote control operates erratically or does not work, replace both batteries.

Cautions:

- Never leave dead or weak batteries in the remote control. Batteries can leak chemicals that can corrode the control.
- If you will not be using the remote control for a month or more, remove the batteries.






OPERATION

LOADING CDS

Your CD changer can play 5-inch or 3-inch CDs. Follow these steps to load CDs.

1. Press **POWER** on the CD changer. The display lights.

illustration

2. Press **OPEN/CLOSE**  to open the disc tray.

illustration

Caution: Do not force the compartment open or closed. You might damage its loading mechanism.


3. Press **DISC SKIP** until the desired disc tray moves to the front. (Do not touch the disc tray while it rotates.)

illustration

4. Carefully place the CD, label side up, into the recessed holder with the label side up.

illustration

Notes:

- If you use a 3-inch CD, place it in the middle of a recessed holder.
 - Do not load more than one CD into each recessed disc holder.
 - Each disc holder is marked with a tray number (1–5).
5. Repeat Steps 3 and 4 to load more CDs.
 6. Press **OPEN/CLOSE**  to close the disc tray. The CD changer displays the number of the CD in the play position.

PLAYING CDS

After you load CDs, follow these steps to play them.

Warning: The CD-8250 has a wide dynamic range. If you set your amplifier's volume too high during soft (low volume) parts of the music, you might damage your headphones, speakers, or hearing when a sudden loud passage occurs.



1. Turn on your receiver/amplifier and select the audio input to which you connected your CD changer (for example, CD, AUX, or TAPE).

2. Press **PLAY** ► to play the CD in the play position from Track 1. ► and **EACH** appear.

To select a different CD, see “Selecting a CD” on Page 12.

To select a different track see “Selecting a Track” on Page 12.

3. While a CD plays, the CD changer displays the current disc and track number, the elapsed time of the current track, and a music calendar that shows the total number of tracks on the CD (up to 20) with the current track number flashing.

illustration

When the CD changer finishes playing a track, that track’s number disappears from the music calendar.

Repeatedly press **TIME** to display in order:

- The current track’s remaining time—**EACH** and **REMAIN** appear
- The total number of tracks on the CD and total playing time—**TOTAL** appears.
- The remaining number of tracks and total time remaining on the CD—**TOTAL** and **REMAIN** ap-

pear

- To return to the original display

Note: During playback, if the changer is subjected to a sudden shock or jolt, the rotation speed might change, or some noise might be produced. This is not a malfunction.

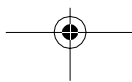
4. To temporarily stop playing, press **PAUSE** Y. Y appears. Press **PAUSE** Y again or **PLAY** ► to resume play.

illustration

Or, press **STOP** ■ to stop play before the last CD ends.

illustration

5. After the CD changer plays all tracks on the current CD, it automatically loads the next higher-numbered CD and plays all of its tracks. After it plays all tracks on the highest-numbered CD, the CD changer stops.





SELECTING A CD

To select a CD, press that **DISC NO.** (1–5) button (**DISC 1-5** on the CD changer), then press **PLAY ►**. The selected CD plays from Track 1.

SELECTING A TRACK

illustration

illustration



To select the CD in the next higher-numbered disc holder, press **DISC SKIP**. The CD changer moves to the next higher-numbered disc holder and begins to play that CD.

Note: You cannot use **DISC SKIP** or **DISC NO.** during programmed play (see “Playing a Sequence of Tracks” on Page 16).

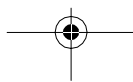
You can select a track in two ways. You can enter the track number using **TRACK NO. (1-0)** buttons (**1-0** number buttons below the tray on the CD changer). Then press **PLAY ►**.

Notes:

- If you enter a track number higher than the highest track number on a CD, the CD changer starts to play the last track on that CD.
- You cannot use **TRACK NO.** during programmed play (see “Playing a Sequence of Tracks” on Page 16).

You can also select a particular track with the **◀◀** and **▶▶** buttons.

While a CD is playing, press **◀◀** once to return to the beginning of the current track. Press **▶▶** to skip other tracks on the same CD.





Or, while the CD is stopped or paused, press **I◀◀** or **▶▶I** until the desired track number appears.

To quickly locate a track during programmed play, hold down **I◀◀** or **▶▶I** until you reach the desired track.

Note: If you try to advance past the CD's last track, the changer starts counting again from Track 1. If you try to move to before Track 1, the changer starts counting back from the last track.

CHANGING CDS DURING PLAYBACK

To open the disc tray without stopping playback, press **OPEN/CLOSE ▲** on the CD changer. The tray opens and the current CD continues to play. You can then change the CDs in the two front holders.

Note: If you press **DISC SKIP** to rotate the tray while the disc tray is open, the CD changer stops playing the current CD and starts playing the next loaded CD.

Tray Number and Disc Display

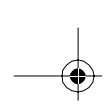
The display on the CD changer shows the tray condition in the following way.

Disc number only – The CD changer has not yet tried to play that tray, and does not know whether the disc is loaded or not.

Disc number with disc display – The CD changer played the track on the disc and knows a disc is loaded onto that tray.

No display – The CD changer tried to play that tray and knows that the tray is empty.





SPECIAL FEATURES



AUDIBLE SEARCH

Use this feature during play to rapidly search forward or backward for a specific section of a track on a CD. During audible search, the CD plays at a lower volume and a higher speed.

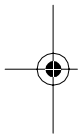
To search forward or backward, hold down **SEARCH** **▶▶** or **◀◀**. Release the button to resume normal play.

REPEAT PLAY

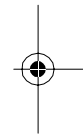
Using the remote control, your CD changer can repeat a single track, all loaded CDs, or a programmed sequence.

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illustration



Note: You cannot search beyond the beginning or end of a CD.



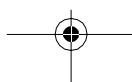
Repeatedly press **REPEAT** on the remote control. The changer cycles through these options:

REPEAT ONE—continuously replays the track

REPEAT ALL—replays all tracks on all loaded CDs or the current programmed sequence

REPEAT disappears—cancels repeat play

To end repeat play, press **REPEAT** until **REPEAT** disappears, or press **STOP**.





SHUFFLE PLAY

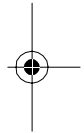
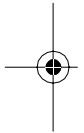
To set the CD changer to select and play all tracks in random order from the loaded CDs or from a programmed sequence, before or during play, press **SHUFFLE**. **SHUFFLE** appears.

INTRO SCAN

Intro scan automatically plays the first 10 seconds of each track on the current CD through the CD loaded in disc holder 5 or the programmed sequence. Press **INTRO SCAN** (**INTRO** on the CD changer) then **PLAY** ►. **INTRO** and ► **PLAY** appear.

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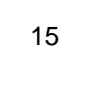
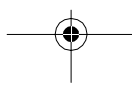


To cancel shuffle play at any time, press **SHUFFLE** until **SHUFFLE** disappears, or press **STOP** ■.

To cancel intro scan and resume normal play, press **INTRO SCAN**.

To temporarily change the duration of intro scan, when play is stopped, use the **TRACK NO.** buttons to enter the desired play time in seconds (1 to 99). Then press **INTRO SCAN** followed by **PLAY** ► to start intro scan with the new duration.

Note: The intro scan duration returns to 10 seconds all tracks have played.





PLAYING A SEQUENCE OF TRACKS

You can program up to 32 selections to play in any order you choose. A “selection” can be an individual track or an entire CD.

Follow these steps to program and play a sequence of tracks.

Hint: You can open the disc tray compartment while you program the sequence, so you can check the loaded CDs’ tracks.

1. Press **STOP** ■ to cancel the current function.
2. Press **DISC NO.** (or **DISC SKIP**) to select a CD.
To enter all the tracks on a CD as one selection, skip to Step 4.
3. Press **TRACK NO.** (or **I◀◀** or **▶▶I**) to select a track.
4. Press **MEMORY** to store the selection into memory. **PROGRAM** appears and the time display shows the disc number and track number (A when you programmed all tracks on a CD) along with **P-01** (programmed selection 1).

illustration

Note: If you enter a track number higher than the highest track on a CD, this entry is ignored during programmed play.

5. Repeat Steps 2–4 for each track or CD you want to program, up to 32 selections. The programmed selection number on the display increases with each added selection (**P-02** to **P-32**).

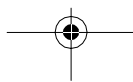
Note: If you try to store more than 32 selections, the CD changer briefly displays **FULL**.

6. Press **PLAY** ► to play the sequence. If you programmed individual tracks, the music calendar displays the number of programmed tracks, with the current track number flashing. If you programmed an entire CD, the music calendar displays only the current track playing.

After the CD changer plays all programmed tracks, it stops and **P-01** reappears on the time display. The sequence is still in memory, so you can press **PLAY** ► to replay the sequence.

Notes:

- You can use **I◀◀** or **▶▶I**, **SEARCH** ►► or **◀◀**, **INTRO SCAN**, **REPEAT**, and **SHUFFLE** during programmed play.
- You cannot use the **DISC SKIP**, **DISC NO.**, or **TRACK NO.** buttons during programmed play.





Checking/Changing the Programmed Sequence

Press **STOP** ■ to cancel the current function. Press **MEMORY CHECK** (**CHECK** on the CD changer). The CD changer displays the programmed sequence's first selection. Each time you press **MEMORY CHECK**, the CD changer displays the next programmed selection.

Adding to the Programmed Sequence

You can add individual tracks or entire CDs to the end of a programmed sequence up to a total of 32 tracks.

1. Repeatedly press **STOP** ■ until **0x00s** appears. This cancels the current function.
2. Enter the desired disc number and/or track number, then press **MEMORY**. The CD changer adds the selection to the end of the programmed sequence.

illustration

Erasing a Programmed Sequence

To erase the programmed sequence from memory, press **STOP** ■ then **CLEAR**. **PROGRAM** turns off. The sequence is also erased when you turn off the CD changer.

To change a selection, repeatedly press **MEMORY CHECK** until the CD changer displays the disc number and track number you want to change. Enter the desired disc number and/or track number, then press **MEMORY**.

illustration



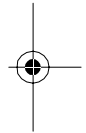


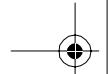
TROUBLESHOOTING



With proper care and handling, your CD changer should give you years of trouble-free service. However, if your CD-8250 is not working properly, follow these suggestions to see if you can eliminate the problem. If you still have a problem, take the CD changer to your local RadioShack store for assistance.

Problem	Suggestion
Power is on but no indicators light.	Make sure the power cord is plugged into an AC outlet.
CD is loaded but play does not start.	The CD is loaded upside-down. Load the CD with the label side up.
	The CD is dirty or scratched. To clean the CD surface, use a CD cleaner kit (such as Cat. No. 42-225). If the CD gets scratched, use Scratch 'n Fix (RadioShack Cat. No. 42-127).
	The CD is not a standard (3- or 5-inch) compact disc. Load a standard size CD.
No sound.	The audio cable is not connected or is defective. Check all connections and replace defective cables, if necessary.
The sound is interrupted or the same part repeats.	The CD is scratched or dirty. If the CD gets scratched, use Scratch 'n Fix (RadioShack Cat. No. 42-127). To clean the CD surface, use a CD cleaner kit (such as Cat. No. 42-225).
Sound is distorted.	Moisture might be present on the pickup lens. Unplug the CD changer from power and wait 2 hours for condensation to evaporate before resuming play.





CARE AND MAINTENANCE



Your Optimus CD-8250 5-Disc Compact Disc Changer is an example of superior design and craftsmanship. The following suggestions will help you care for the CD changer so you can enjoy it for years.



Keep the CD changer dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuits.



Use and store the CD changer only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, damage batteries, and distort or melt plastic parts.



Handle the CD changer gently and carefully. Dropping it can damage circuit boards and cases and can cause the CD changer to work improperly.

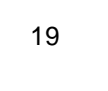
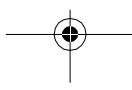
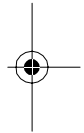
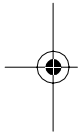


Keep the CD changer away from dust and dirt, which can cause premature wear of parts.



Wipe the CD changer with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the CD changer.

Modifying or tampering with your CD changer's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your CD changer is not performing as it should, take it to your local RadioShack store for assistance.





CD CARE TIPS

Even though a compact disc is very durable, treat the CD surface with care. Here are some tips:

- Do not place anything but a CD in the disc tray. This can damage the drive mechanism.
- Do not write on either side of the CD, particularly the non-label side (signals are read from the non-label side).
- Do not store CDs in high-temperature, high-humidity locations. The CDs might warp.
- Keep CDs dry. A water drop can act as a lens and affect the laser beam's focus.
- Always handle a CD by the edges to avoid fingerprints and always keep it in its protective case or sleeve when not in use. Fingerprints and scratches on the CD's surface can prevent the laser beam from correctly reading the digital information. To clean the CD surface, use a CD cleaner kit (such as Cat. No. 42-225). If the CD gets scratched, use Scratch 'n Fix (RadioShack Cat. No. 42-127).

THE FCC WANTS YOU TO KNOW

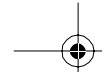
This system complies with the limits for a Class B digital device as specified in Part 15 of *FCC Rules*. These limits provide reasonable protection against TV or radio interference in a residential area. However, your system might cause TV or radio interference even when it is operating properly.

To eliminate interference, you can try one or more of the following corrective measures.

- Reorient or relocate the TV or radio's receiving antenna.
- Increase the distance between the system and the TV or radio.
- Use outlets on different electrical circuits for the system and the TV or radio.

Consult your local RadioShack store if the problem still exists.





SPECIFICATIONS



AUDIO

Frequency Response	20 Hz–18 KHz, (1 kHz, 0 dB)
Channel Separation	More than 85 dB (1 kHz, 0 dB)
Harmonic Distortion	Less than 0.02% (1 kHz, 0 dB)
Dynamic Range	84 dB (1 kHz, –60 dB)
S/N Ratio	More than 96 dB (1 kHz, 0 dB)
Wow and Flutter	Quartz Precision

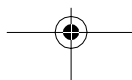
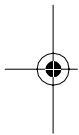
SIGNAL FORMAT

Pickup	Three-Beam Tracking Servo System
Object Lens Drive System	Two-Dimensional Parallel Drive
Sampling Frequency	44.1 kHz
D/A Conversion	Dual 1-bit Linear
Filter	8 Times Oversampling

GENERAL

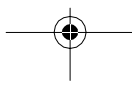
Power Supply	120V, 60 Hz
Power Consumption	12 Watts
Dimensions (HWD)	4 ¹ / ₂ × 17 ¹ / ₈ × 15 ³ / ₈ Inches (115 × 435 × 390 mm)
Weight	13 lbs 8 oz (6.2 kg)

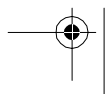
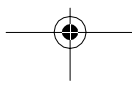
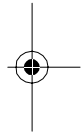
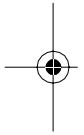
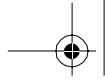
Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.





NOTES







Limited One-Year Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for one (1) year from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

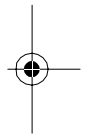
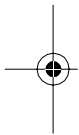
This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, Dept. W, 100 Throckmorton St., Suite 600, Fort Worth, TX 76102

We Service What We Sell

3/97



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